

CA Electric Vehicle Charging Network

ARFVTP Strategic Goals for 2023

Consumer Perspective
April 10, 2014



Dan Davids
Plug In America



Who is Plug In America?

- ◆ 30,000+ Supporters – Current and Future EV Consumers
- ◆ Helped drive more than US\$14 billion EV funding in the American Recovery and Reinvestment Act (2009)
- ◆ Plug In America Educates and Influences Policymakers as an Independent Voice for Consumers
- ◆ Active Supporters Drive Advocacy Campaigns including National Drive Electric Week, Plug In @ Work, + others
- ◆ Developed Charging Infrastructure Guidelines in WA (2010), HI (2012); + contributions in numerous other states, including CA through the Plug-in EV Collaborative
- ◆ We've been there, we've seen that!



2013 CA Legislation:

6 Bills Signed on National Plug-In Day

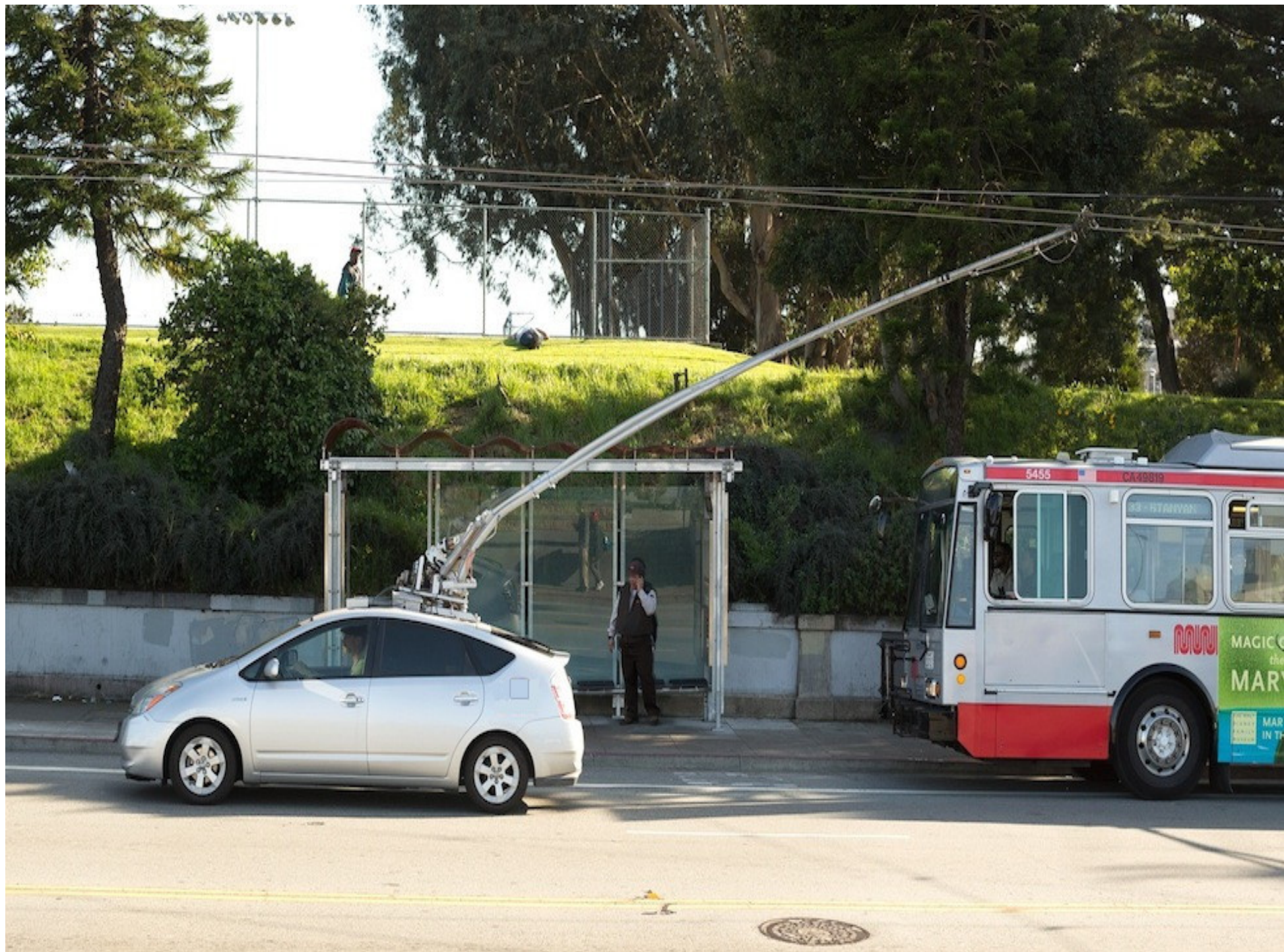
- **AB 8 (Perea):** Extends to 2024 programs aimed at reducing auto emissions in CA, including the Alternative and Renewable Fuel and Vehicle Technology Program, the Air Quality Improvement Program, the Enhanced Fleet Modernization Program and the Carl Moyer Memorial Air Quality Standards Attainment Program.
- **AB 266 (Blumenfield) & SB 286 (Yee):** Extends the white & green sticker programs allowing for certain low-emission vehicles to drive in HOV lanes until 2019 or until federal authorization expires.
- **AB 1092 (Levine):** Requires the California Building Standards Commission and the Dept. of Housing & Community Dev. to develop standards for electric vehicle charging infrastructure in multi-family housing and non-residential developments.
- **SB 359 (Corbett):** Provides \$30M to fund the Consumer Rebates (CVRP) and the Truck Incentives (HVIP); \$10M to fund the Heavy-Duty Vehicle Air Quality Loan Program; and appropriates \$8M for the enhanced fleet modernization program.
- **SB 454 (Corbett):** Creates the Electric Vehicle Charging Stations Open Access Act, which removes obstacles to using electric vehicles by making electric vehicle charging stations accessible to all electric vehicle drivers, pricing transparency, easier to locate, and more convenient to use.



ARFVTP Strategic Goals for CA EV Charging Network through 2023

- ◆ 1M ZEVs by 2020 and 1.5M by 2025
- ◆ Charging stations in MUDs and parking structures
- ◆ Develop seamless interoperability systems
- ◆ Cost-effective technologies and strategies for DCFC
- ◆ Develop and integrate storage into DCFC networks
- ◆ Integrated V2G technologies and business models
- ◆ Cost-effective charging for commercial truck fleets





ARFVTP Strategic Goals for CA EV Charging Network through 2023

- ◆ 1M ZEVs by 2020 and 1.5M by 2025
 - ◆ Remove impression of EV complexity
 - ◆ Make permitting cheaper and simpler
- ◆ Charging stations in MUDs and parking structures
 - ◆ Prioritize workplace over MUDs
 - ◆ Signage, signage, signage
- ◆ Develop seamless interoperability systems
 - ◆ Gov't shouldn't pay for it
 - ◆ Credit cards already give us interoperability
- ◆ Cost-effective technologies and strategies for DCFC
 - ◆ Encourage competition; Lots of innovation here





Plug In

America.

**WE DRIVE
ELECTRIC.
YOU CAN TOO.**